

**Method and Apparatus for Equipping Personal Digital Product with  
Functions of Recording and Displaying of the Digital Video/Audio  
Multi-media**

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**ABSTRACT**

The invention provides a method for equipping personal digital  
product with functions of recording and displaying the digital  
video/audio multi-media, comprising: providing a modulated  
interlacing video signal and an analog audio signal for de-modulation  
and de-interlacing of the interlacing video signal; at the same time  
processing digital transformation of the analog audio signal for  
digitalizing the analog audio signal to obtain a digital audio signal;  
then compressing the de-interlaced video signal and the digital audio  
signal to obtain a compressed de-interlaced video signal and a  
compressed digital audio signal; putting the compressed de-interlaced  
video signal and the compressed digital audio signal under  
synchronous process to obtain a synchronized compressed video  
signal and compressed audio signal; finally, outputting the  
synchronized compressed video signal and compressed audio signal  
to a processing unit of digital apparatus for selecting from recording  
or displaying the digital video/audio multi-media of synchronized  
compressed video signal and compressed audio signal.

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